

CLAIMS

1. An exhaust gas purifying catalyst-supported member comprising a metal carrier and a catalyst layer directly formed on a surface of the metal carrier, said
5 catalyst layer comprising an exhaust gas purifying catalyst and silicon oxide.

2. The exhaust gas purifying catalyst-supported member as claimed in claim 1, wherein the weight ratio
10 between the exhaust gas purifying catalyst and silicon oxide in the catalyst layer is in the range of 10:90 to 90:10.

3. The exhaust gas purifying catalyst-supported
15 member as claimed in claim 1, wherein the exhaust gas purifying catalyst in the catalyst layer comprises at least one noble metal selected from the group consisting of platinum, palladium and rhodium, and activated alumina.

20 4. The exhaust gas purifying catalyst-supported member as claimed in claim 1, wherein the metal carrier is a metal plate selected from the group consisting of a stainless steel plate, a stainless steel tube and a stainless steel corrugated plate.

5. The exhaust gas purifying catalyst-supported member as claimed in claim 3, wherein the weight ratio between the noble metal and the activated alumina in the exhaust gas purifying catalyst layer is in the range of 1:1 to 1:35.

6. The exhaust gas purifying catalyst-supported member as claimed in claim 1, which is a mesh filter brought into contact with an exhaust gas from a diesel engine.